

Product Data Sheet

Product Name: NSC-47924

Cat. No.: GB40301

Chemical Properties

Cas. No. 6638-24-0

Formula $C_{18}H_{17}NO_2$

M.Wt 279.33

Solubility

Storage

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

NSC-47924 (6638-24-0) is a potent inhibitor of the Leucine-rich repeat protein phosphatase (PHLPP) an enzyme which is a negative regulator of Akt and PKC ($IC_{50}=4 \mu M$). Increases AKT signaling in cells and prevents apoptosis. Also inhibits the 67 kDa laminin receptor (LR) interaction with laminin (LM) and selectively blocks LR-293 cell adhesion to LM ($IC_{50}=19.35 \mu M$) impairing cell migration and

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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invasion. Affects 37/67 kDa LR cell surface localization and interaction with cellular prion protein.

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